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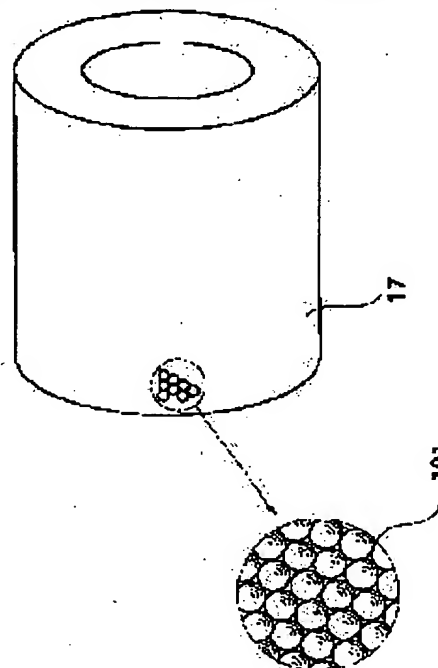
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(54) HEAT SINK FILTER FOR INFLATOR AND INFLATOR HAVING THE SAME

(57)Abstract:

PROBLEM TO BE SOLVED: To provide a heat sink filter for an inflator having sufficient heat sink capacity (cooling capacity) and filtering capacity (cleaning capacity) and also excellent in the controllability of air permeability, and the inflator having the heat sink filter.

SOLUTION: The heat sink filter 17 is arranged in the combustion chamber of the inflator and functions in order not only to lower the temperature of combustion gas but also to remove slag from the combustion gas. The heat sink filter 17 is a cylindrical body comprising a molded and sintered spherical powder 101. The spherical powder has a melting point of 600°C or higher, a specific heat of 0.035 kcal/kg°C or more, a particle size of 0.3-2.0 mm and a specific surface area of 1.45 times or more. The heat sink filter 17 comprising the spherical powder 101 has a density of 4 g/cm³ and air permeability permitting 1 mol of gas to pass within 50 msec.



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